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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,865	09/26/2005	Mitsuharu Akiyama	14434.0082USWO	3391
52835 7590 12/11/2008 HAMRE, SCHUMANN, MUELLER & LARSON, P.C. P.O. BOX 2902			EXAMINER	
			GRAY, JILL M	
MINNEAPOLI	MINNEAPOLIS, MN 55402-0902		ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			12/11/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/550,865	AKIYAMA ET AL.
Office Action Summary	Examiner	Art Unit
	Jill Gray	1794
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING IT Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory perioder in the provision of Failure to reply within the set or extended period for reply will, by statue Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be tid d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 23. This action is FINAL . 2b) ☑ The 3) ☐ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4) Claim(s) 1-11 is/are pending in the applicatio 4a) Of the above claim(s) is/are withdres 5) Claim(s) is/are allowed. 6) Claim(s) 1-11 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/ Application Papers	awn from consideration. /or election requirement.	
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) accepted an accepted and accepted any not request that any objection to the Replacement drawing sheet(s) including the corresponding to the corresponding to the corresponding and the corresponding to the second accepted accepted accepted and the corresponding to the second accepted ac	ecepted or b) objected to by the e drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures* * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat fority documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate

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DETAILED ACTION

Response to Amendment

The rejection of claims 1-11 under 35 U.S.C. 103(a) as being unpatentable over CA 2,474,651 in view of JP19810137729 (the abstract) is withdrawn in view of applicants' arguments.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

2. Claims 1 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Honda, deceased et al., 4,677,818 (Honda).

Applicants' preamble language of "reinforcing cord for rubber reinforcement" has been considered but is not found to be a limiting but rather setting forth the intended use of the invention. Honda discloses a composite rope comprising a reinforcing fiber core that is coated with around the outer periphery with fibers. The core can be carbon fiber and the outer periphery fibers can be glass fibers. In addition, Honda teaches that the fibers can be twisted. See entire document, and for example, abstract, column 2, lines 40-57, Examples, claims 3 and 11.

Therefore, the teachings of Honda anticipate the invention as claimed in present claims 1 and 7.

Claim Rejections - 35 USC § 103

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3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 2-6, and 8-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Honda, deceased et al., 4,677,818 (Honda), as applied above to claims 1 and 7.

Honda is as set forth above but does not specifically teach that the surface is covered in rubber and a rubber product. In this regard, Honda teaches that the reinforcing fibers are impregnated with a resin which can be an epoxy. It is the examiner's position that term "rubber" is broad and would encompass some epoxies. Hence, Honda renders obvious the limitations of instant claims 9-10. Regarding claims 2 and 11, the percentage of carbon fibers and ratio of the reinforcing cord, one of ordinary skill in this art would have been capable of determining this amount during routine experimentation, and even a presumption of 50/50, which would have been expected, would have satisfied the instant range requirements. Regarding claims 3, Honda teaches that the filaments can be stranded parallel or twisted which meets the requirements of instant claim 3. As to claims 5-6 and 8, it would have been obvious to the skilled artisan to determine the specific twist number during routine experimentation commensurate with the desired end properties, for example flexibility and fatigue in composite articles.

Hence, the teachings of Honda would have rendered obvious the invention as claimed in present claims 2-6, and 8-11.

No claims are allowed.

Response to Arguments

5. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jill Gray whose telephone number is 571-272-1524. The examiner can normally be reached on M-Th and alternate Fridays 8:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton I. Cano can be reached on 571-272-1398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jill Gray Primary Examiner Art Unit 1794 Application/Control Number: 10/550,865

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Primary Examiner, Art Unit 1794